

Amendments to the Claims:

Please amend the claims as follows:

1. (Original) A fuel composition comprising:

- (i) a fuel; and
- (ii) a film-forming additive;

wherein the fuel comprises diesel and a fuel alcohol; and

wherein the film-forming additive is present in the fuel composition in an amount of less than 0.1 wt%.

2. (Original) A fuel composition according to claim 1 wherein the film-forming additive is present in the fuel composition in an amount of less than 0.01 wt%.

3. (Currently Amended) A fuel composition according to claim 1 ~~or 2~~ wherein the fuel alcohol is present in the fuel in an amount of 1 to 30% by volume.

4. (Cancelled)

5. (Currently Amended) A fuel composition according to claim 1 ~~The invention according to any one of the preceding claims~~ wherein the fuel further comprises a co-solvent.

6. (Original) The invention according to claim 5 wherein the co-solvent is an alcohol.

7. (Currently Amended) A fuel composition ~~The invention~~ according to claim 5 ~~or 6~~ wherein the co-solvent ~~co-solvent~~ has the formula $R^1O(CH_2CH_2O)_nH$, wherein n is a number from 0 to 10 and R^1 is a C_{1-30} hydrocarbyl group.

8. (Currently Amended) A fuel composition ~~The invention~~ according to claim ~~any one of claims 5 to 7~~ wherein the co-solvent is selected from:

- (i) $R^1O(CH_2CH_2O)_nH$ wherein n is 0 and R^1 is ethylhexyl; and
- (ii) $R^1O(CH_2CH_2O)_nH$ wherein n is from 2 to 3 and R^1 is a C_5 to C_{15} alkyl.

9. (Currently Amended) A fuel composition ~~The invention~~ according to claim 1 ~~any one of the preceding claims~~ wherein the fuel further comprises a surfactant.

10. (Currently Amended) A fuel composition ~~The invention~~ according to claim 9 wherein the surfactant has the formula $R^2(CO)_m-N(CH_2CH_2OH)_2$ wherein m is 0 or 1 and R^2 is a C_{1-30} hydrocarbonyl group.

11. (Currently Amended) A fuel composition ~~The invention~~ according to claim 10 wherein R^2 is a C_{8-22} hydrocarbon group.

12. (Currently Amended) A fuel composition ~~The invention~~ according to claim 10 ~~any one of claims 9 to 11~~ wherein the surfactant is selected from:

- (i) $R^2(CO)_m-N(CH_2CH_2OH)_2$ wherein R^2 is a C_{18} alkenyl and m is 0; and
- (ii) $R^2(CO)_m-N(CH_2CH_2OH)_2$ wherein R^2 is a saturated or unsaturated C_{17} hydrocarbon and m is 1.

13. (Currently Amended) A fuel composition ~~The invention~~ according to claim 9 ~~any one of the preceding claims~~ wherein the fuel further comprises a co-solvent of formula $R^1O(CH_2CH_2O)_nH$ wherein n is 0 and R^1 is ethylhexyl; and a surfactant of formula $R^2(CO)_m-N(CH_2CH_2OH)_2$ wherein R^2 is a C_{18} alkenyl and m is 0.

14. (Currently Amended) A fuel composition ~~The invention~~ according to claim ~~any one of claims 1 to 12~~ wherein the fuel further comprises a co-solvent of formula $R^1O(CH_2CH_2O)_nH$ wherein n is from 2 to 3 and R^1 is a C_5 to C_{15} alkyl; and a surfactant of formula $R^2(CO)_m-N(CH_2CH_2OH)_2$ wherein R^2 is a saturated or unsaturated C_{17} hydrocarbon and m is 1.

15. (Currently Amended) A fuel composition ~~The invention~~ according to claim 1 ~~any one of the preceding claims~~ wherein the film-forming additive comprises a functional group selected from the group consisting of a carboxylic acid, a carboxylic ester, an alcohol, an amide and an amine.

16. (Currently Amended) A fuel composition ~~The invention~~ according to claim 15 ~~any one of the preceding claims~~ wherein the film-forming additive is one or more compounds selected from the group consisting of:

- (a) a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group;
- (b) the reaction product of a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group or comprising at least one carboxylic anhydride group with
 - (i) a reactive alcohol; and/or
 - (ii) an amine; and/or
 - (iii) an alcohol-amine; and/or
 - (iv) an amino acid;
- (c) a polymeric hydrocarbyl substituted with a hydroxy group and/or substituted with a group comprising a nitrogen; and
- (d) an aromatic ring system substituted with a hydroxy group and/or substituted with a group comprising an amine and optionally substituted with a hydrocarbon group.

17. (Currently Amended) A fuel composition ~~The invention~~ according to claim 16 wherein the C₅-C₁₀₀ hydrocarbyl is aliphatic.

18. (Currently Amended) A fuel composition ~~The invention~~ according to claim ~~16 or~~ 17 wherein the C₅-C₁₀₀ hydrocarbyl is a C₅-C₁₀₀ hydrocarbon.

19. (Currently Amended) A fuel composition ~~The invention~~ according to claim ~~any one of claims 16 to~~ 18 wherein the C₅-C₁₀₀ hydrocarbyl is a C₅-C₁₀₀ alkyl or alkenyl.

20. (Currently Amended) A fuel composition ~~The invention~~ according to claim ~~any one of claims 16 to~~ 19 wherein the film-forming additive is (a) a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group having ~~comprises~~ a terminal carboxylic acid group.

21. (Currently Amended) A fuel composition ~~The invention~~ according to claim 20 wherein the C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group is linear.

22. (Currently Amended) A fuel composition ~~The invention~~ according to claim ~~20 or~~ 21 wherein the C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group is

selected from the group consisting of lauric, myristic, myristoleic, palmitic, palmitoleic, stearic, elaidic, oleic and linoleic acid.

23. (Currently Amended) A fuel composition ~~The invention~~ according to claim ~~any one of claims 16 to 19~~ wherein the film-forming additive is (a) a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group and wherein the C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group is substituted with at least two carboxylic acid groups.

24. (Currently Amended) A fuel composition according to claim 23 wherein the C₅-C₁₀₀ hydrocarbyl substituted with at least two carboxylic acid groups is a dimer-acid.

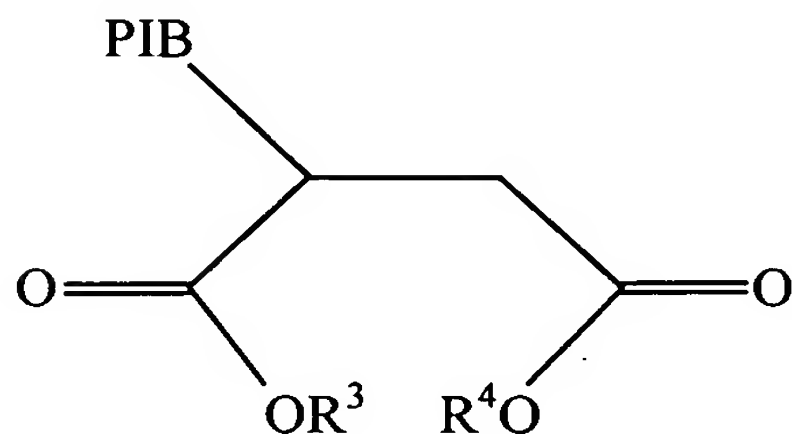
25. (Currently Amended) A fuel composition according to claim 23 wherein the C₅-C₁₀₀ hydrocarbyl substituted with at least two carboxylic acid groups is derived from maleic acid, maleic anhydride, succinic acid or succinic anhydride.

26. (Currently Amended) A fuel composition according to claim 23 ~~any one of the preceding claims~~ wherein the film-forming additive is the reaction product of a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group or comprising at least one carboxylic anhydride group with a reactive alcohol.

27. (Currently Amended) A fuel composition according to claim 26 wherein the reactive alcohol is a diol, a triol or a polyol.

28. (Currently Amended) A fuel composition according to claim ~~26 or~~ 27 wherein the reactive alcohol is selected from the group consisting of ethylene glycol, propylene glycol, butylene glycol, glycerol, pentaerythritol and oligomers thereof.

29. (Currently Amended) A fuel composition according to claim 23 ~~any one of claims 26 to 28~~ wherein the film-forming additive is a compound of formula



wherein PIB is a polyisobutene group having an average molecular weight of from 200 to 300 and R³ and R⁴ are independently selected from -CH₂CH₂OH, -CH(CH₃)₂, and H with the proviso that R³ and R⁴ are not both H.

30. (Currently Amended) A fuel composition according to claim ~~29~~ ~~28~~ either R³ and R⁴ are both -CH₂CH₂OH or one of R³ and R⁴ is -CH₂CH₂OH and the other is -CH(CH₃)₂.

31. (Currently Amended) A fuel composition according to claim 16 wherein the film-forming additive is (c) a polymeric hydrocarbyl and the polymeric hydrocarbyl is a polymer of C₂-C₁₀ hydrocarbon monomers.

32. (Currently Amended) A fuel composition according to claim 31 wherein the polymeric hydrocarbyl is a polymer of C₂-C₄ hydrocarbon monomers.

33. (Currently Amended) A fuel composition according to claim 31 ~~or 32~~ wherein the polymeric hydrocarbyl is a primary alcohol.

34. (Currently Amended) A fuel composition according to claim 31 ~~or 32~~ wherein the polymeric hydrocarbyl is substituted with a group comprising an amide group..

35. (Currently Amended) A fuel composition according to claim 16 wherein the film-forming additive is (d) a substituted aromatic ring system which is the product of a Mannich reaction.

36. (Currently Amended) A fuel composition according to claim 1 ~~any one of the preceding claims~~ wherein the fuel alcohol is an aliphatic alcohol.

37. (Currently Amended) A fuel composition according to claim 36 ~~any one of the preceding claims~~ wherein the fuel alcohol is an alkanol comprising an alkyl group and a hydroxy group.

38. (Currently Amended) A fuel composition according to claim 37 wherein the alkyl group is linear.

39. (Currently Amended) A fuel composition according to claim 1 ~~any one of the preceding claims~~ wherein the fuel alcohol is a C₁-C₁₀ alcohol.

40. (Currently Amended) A fuel composition according to claim 39 ~~any one of the preceding claims~~ wherein the fuel alcohol is a C₁-C₅ alcohol.

41. (Currently Amended) A fuel composition according to claim 40 ~~any one of the preceding claims~~ wherein the fuel alcohol is selected from methanol, ethanol, propanol, and isopropanol, and mixtures thereof.

42. (Currently Amended) A fuel composition according to claim 41 ~~any one of the preceding claims~~ wherein the fuel alcohol is ethanol.

43. (Original) A process for supplying a fuel composition to a combustion engine wherein the process comprises

(i) pumping the fuel composition with a rotary pump to supply the fuel composition to the combustion engine

wherein the fuel composition comprises diesel, a fuel alcohol and a film-forming additive.

44. (Currently Amended) A process according to claim 43 wherein the pumping step ~~pump~~ supplies the fuel composition to the combustion engine at a rate which under normal design operating conditions would result in cavitation of the pump if operated with a fuel comprising diesel and the fuel alcohol in the absence of the film-forming additive.

45. (Currently Amended) A process according to claim 43 ~~or 44~~ wherein the fuel composition comprises:

(i) a fuel comprising diesel, a fuel alcohol, optionally a co-solvent, and optionally a surfactant; and

(ii) less than 0.1 wt% of a film-forming additive ~~is as defined in any one of claims 1 to 42.~~

46. (Cancelled)

47. (Cancelled)

48. (Cancelled)

49. (New) A fuel composition according to claim 13 wherein the film-forming additive is one or more compounds selected from the group consisting of:

- (a) a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group;
- (b) the reaction product of a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group or comprising at least one carboxylic anhydride group with
 - (i) a reactive alcohol; and/or
 - (ii) an amine; and/or
 - (iii) an alcohol-amine; and/or
 - (iv) an amino acid;
- (c) a polymeric hydrocarbyl substituted with a hydroxy group and/or substituted with a group comprising a nitrogen; and
- (d) an aromatic ring system substituted with a hydroxy group and/or substituted with a group comprising an amine and optionally substituted with a hydrocarbon group.

50. (New) A fuel composition according to claim 42 wherein the film-forming additive is one or more compounds selected from the group consisting of:

- (a) a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group;
- (b) the reaction product of a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group or comprising at least one carboxylic anhydride group with

- (i) a reactive alcohol; and/or
 - (ii) an amine; and/or
 - (iii) an alcohol-amine; and/or
 - (iv) an amino acid;
- (c) a polymeric hydrocarbyl substituted with a hydroxy group and/or substituted with a group comprising a nitrogen; and
- (d) an aromatic ring system substituted with a hydroxy group and/or substituted with a group comprising an amine and optionally substituted with a hydrocarbon group.

51. (New) A process according to claim 43 wherein the film-forming additive is one or more compounds selected from the group consisting of:

- (a) a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group;
- (b) the reaction product of a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group or comprising at least one carboxylic anhydride group with
 - (i) a reactive alcohol; and/or
 - (ii) an amine; and/or
 - (iii) an alcohol-amine; and/or
 - (iv) an amino acid;
- (c) a polymeric hydrocarbyl substituted with a hydroxy group and/or substituted with a group comprising a nitrogen; and
- (d) an aromatic ring system substituted with a hydroxy group and/or substituted with a group comprising an amine and optionally substituted with a hydrocarbon group.

52. (New) A process for inhibiting and/or preventing cavitation in a fuel and/or reducing the effects of cavitation in a fuel, wherein the fuel comprises diesel and a fuel alcohol, comprising the step of mixing the fuel with less than 0.1 wt% of a film-forming additive.

53. (New) A process according to claim 52 wherein the film-forming additive is one or more compounds selected from the group consisting of:

- (a) a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group;
- (b) the reaction product of a C₅-C₁₀₀ hydrocarbyl substituted with at least one carboxylic acid group or comprising at least one carboxylic anhydride group with
 - (i) a reactive alcohol; and/or

- (ii) an amine; and/or
- (iii) an alcohol-amine; and/or
- (iv) an amino acid;
- (c) a polymeric hydrocarbyl substituted with a hydroxy group and/or substituted with a group comprising a nitrogen; and
- (d) an aromatic ring system substituted with a hydroxy group and/or substituted with a group comprising an amine and optionally substituted with a hydrocarbon group.